Luminous Patterns Panels

All sizes between 400 mm x 400 mm and 1800 mm x 600 mm

c(UL)us Pending	CE	15°C min	max 40°C	IP40

⚡ - Panels must be installed by a qualified electrician in accordance with all national and local electrical and construction codes and regulations.
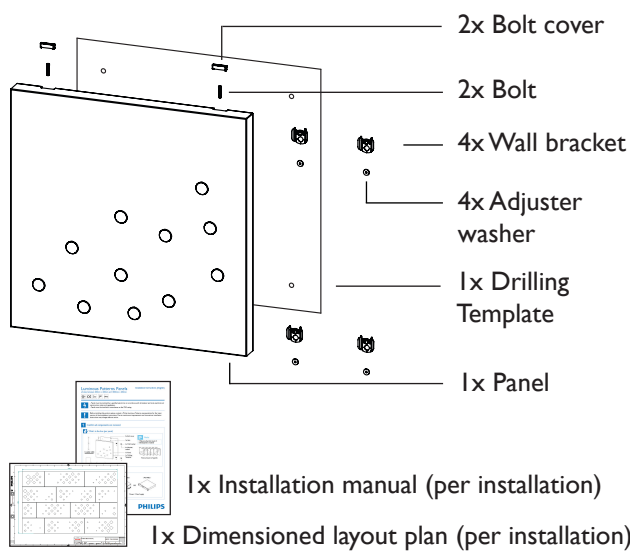- Panels must be installed in accordance to the IP40-rating.

❗ Before installing this product, please contact a Philips Luminous Patterns representative for the latest version of the installation instructions. Due to continuous improvements and innovations, installation instructions may change without notice.

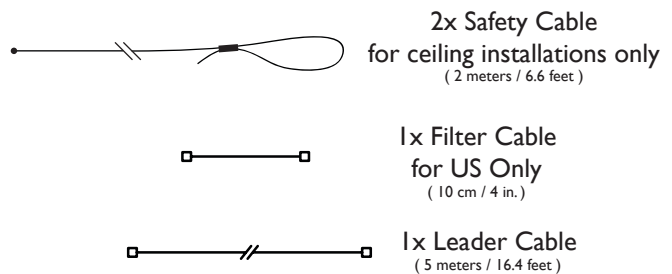## 1 Confirm all components are received

📦 What's in the box (per panel)

2x Bolt cover

2x Bolt

4x Wall bracket

4x Adjuster washer

1x Drilling Template

1x Panel

1x Installation manual (per installation)

1x Dimensioned layout plan (per installation)

Note

• Use gloves when handling panels
• Installation should be done with at least 2 people
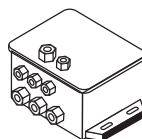• Make sure the total mount of ordered panels is received using the dimensioned layout plan

2x Safety Cable
for ceiling installations only
(2 meters / 6.6 feet)

1x Filter Cable
for US Only
(10 cm / 4 in.)

1x Leader Cable
(5 meters / 16.4 feet)
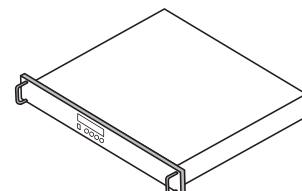
🛒 Required peripherals

Note

• Panels are powered by a PDS-60ca or sPDS-480ca. Based on the light style of the panel a 7.5v or 24v version is required. These power / data supplies are sold separately.

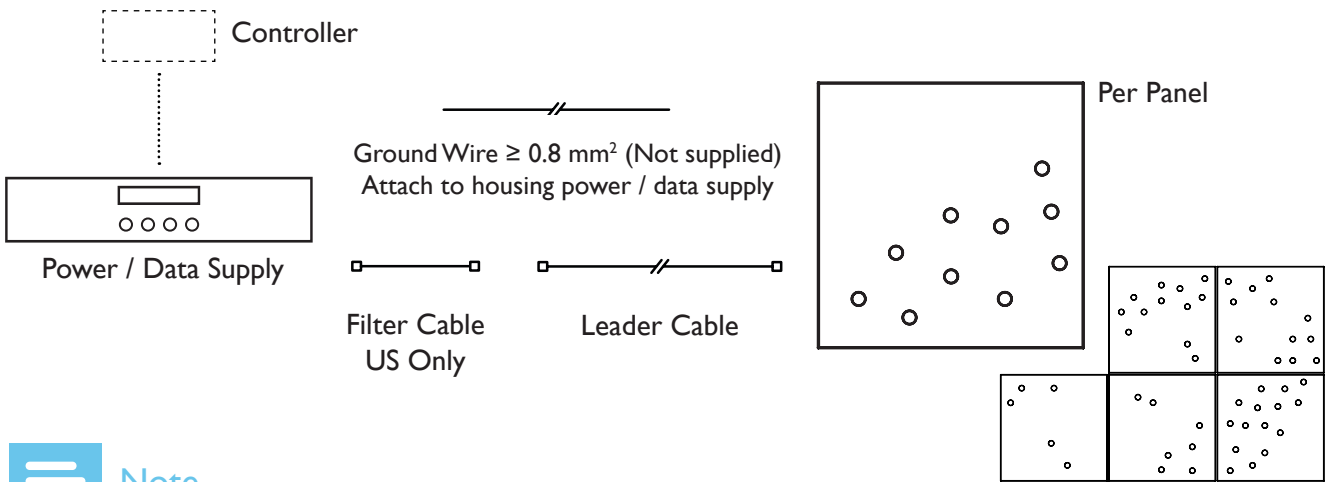• Information on how to control the PDS-60ca or sPDS-480ca is found online at http://www.colorkinetics.com/ls/pds/

PDS-60ca   sPDS-480ca

OR

Power / Data Supply

PHILIPS

2   Verify electrical plan

Controller

Power / Data Supply

Ground Wire ≥ 0.8 mm^2 (Not supplied)
Attach to housing power / data supply

Filter Cable
US Only

Leader Cable

Per Panel

Note
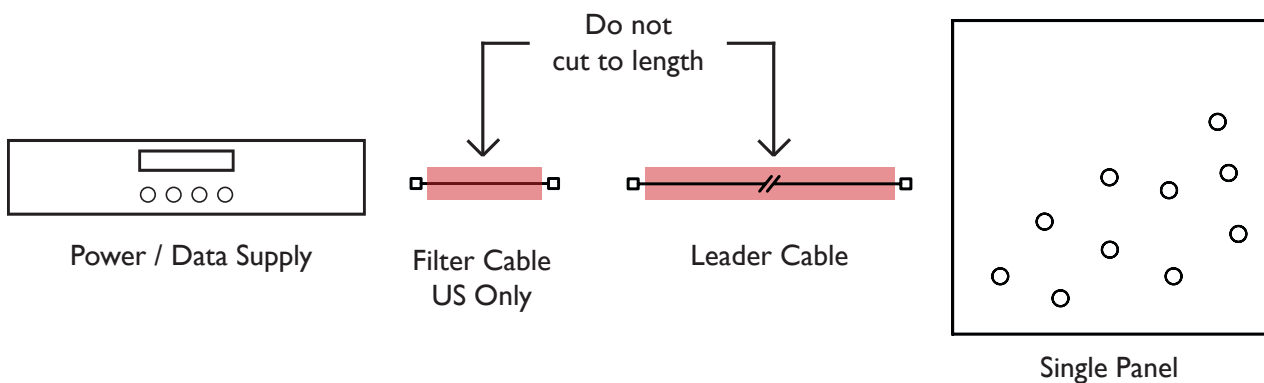
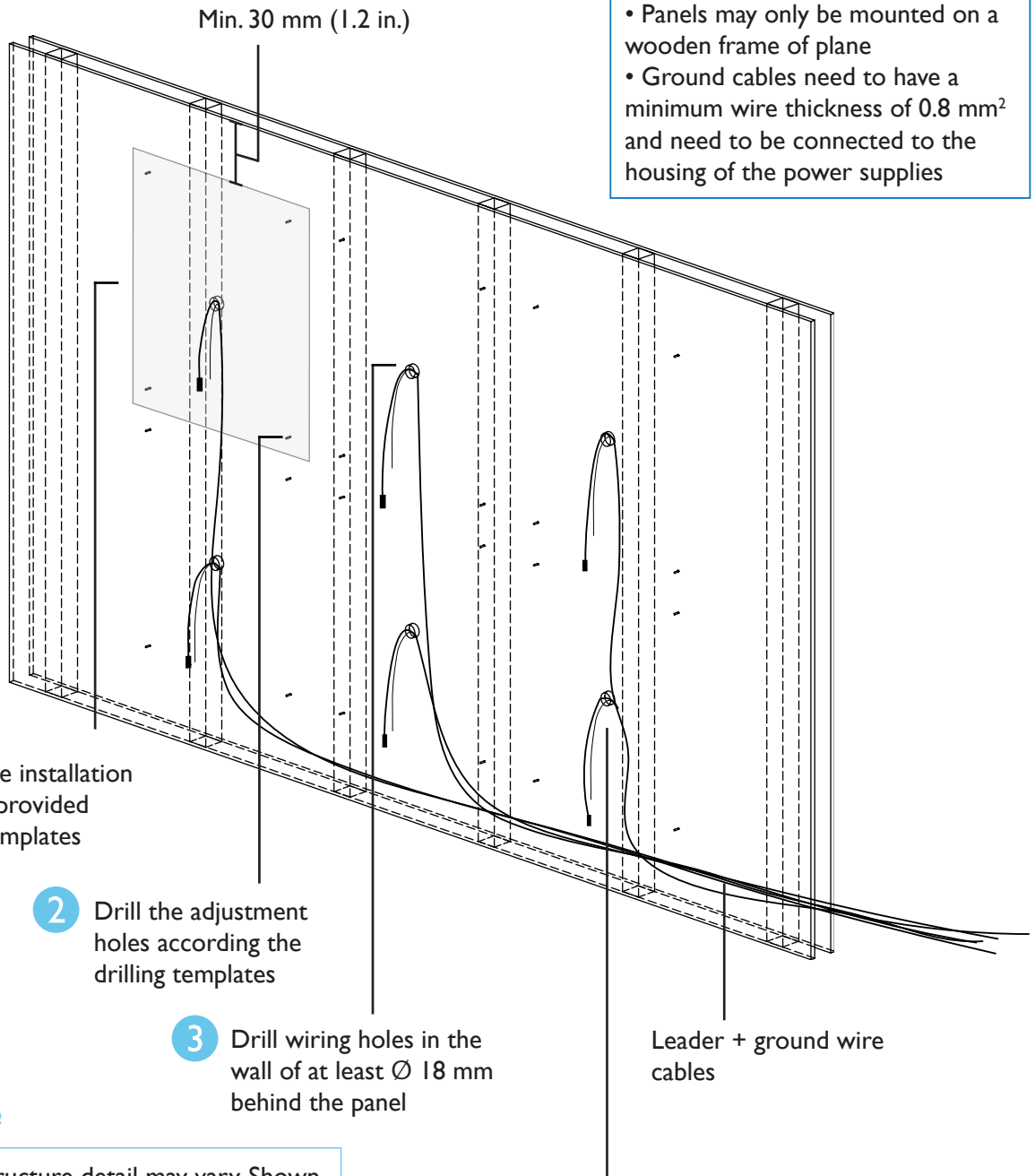|	Max. Panels Supported	Power / Data Supply	12NC number
• The maximum amount of supported panels per power / data supply varies on the mount of light nodes in a panel	2	PDS-60ca 7.5v DMX / Ethernet	910503700094
	16	sPDS-480ca 7.5v	910503700107
	2	PDS-60ca 24v DMX	910503700333
	2	PDS-60ca 24v Ethernet	910503700334
	8	sPDS-480ca 24v	910503700110

3   Max length of the leader cable

!

• The total cable length between panels and power / data supply may not be more than 10 meters (33 feet)
• Do not cut the leader cable or filter to length

Do not
cut to length

Power / Data Supply

Filter Cable
US Only

Leader Cable

Single Panel

4 Wire the wall and drill adjustment holes

!

• A minimum clearance of 30 mm is required at the top of a panel
• Panels may only be mounted on a wooden frame of plane
• Ground cables need to have a minimum wire thickness of 0.8 mm^2 and need to be connected to the housing of the power supplies

Min. 30 mm (1.2 in.)

1 Layout the installation with the provided drilling templates

2 Drill the adjustment holes according the drilling templates

3 Drill wiring holes in the wall of at least Ø 18 mm behind the panel
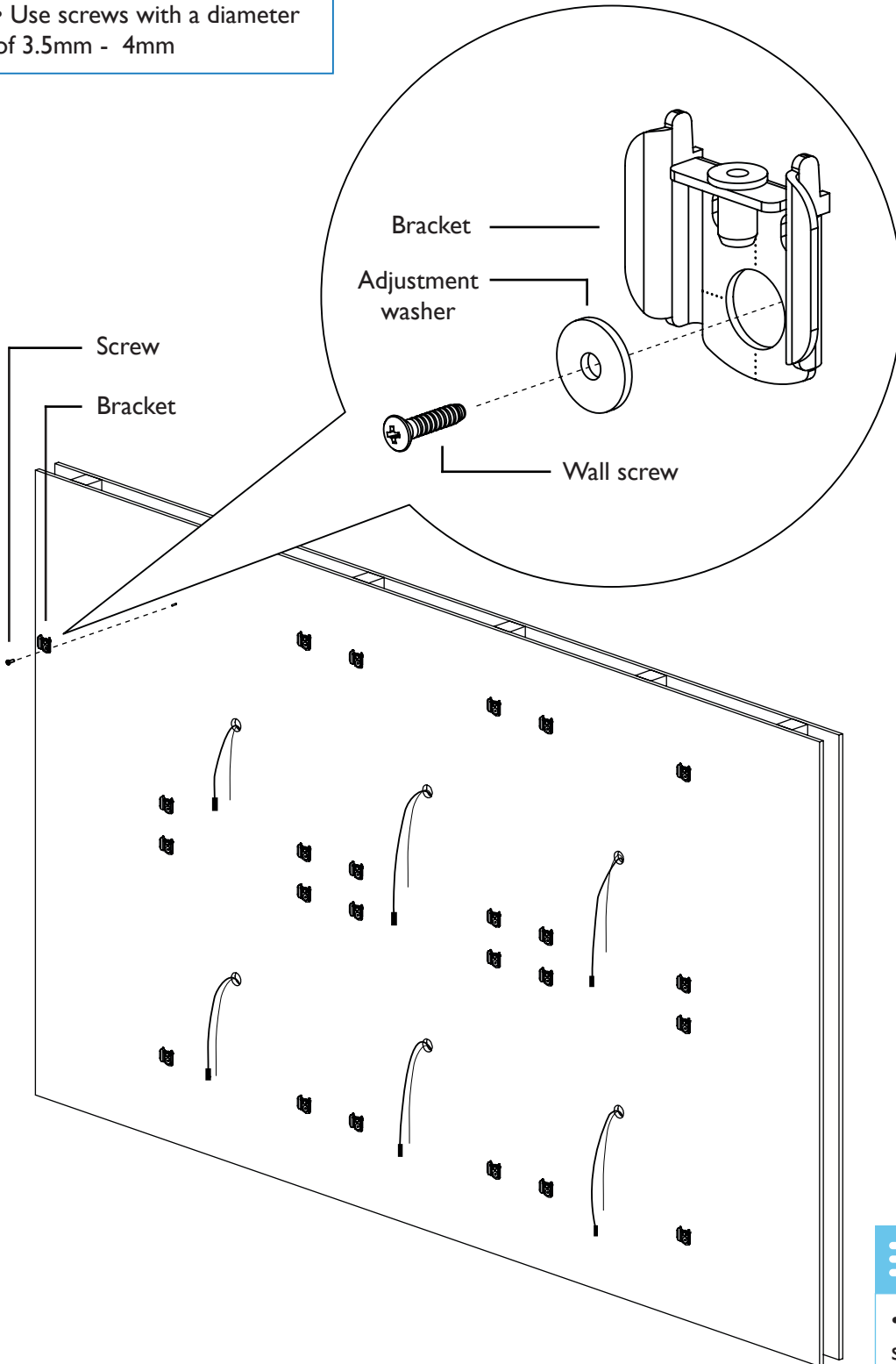
Leader + ground wire cables

Note

• Mounting structure detail may vary. Shown detail is an example
• Order of panel installation is specified in the dimensioned layout plan when applicable
• Principle of installation is the same for wall and ceiling installations
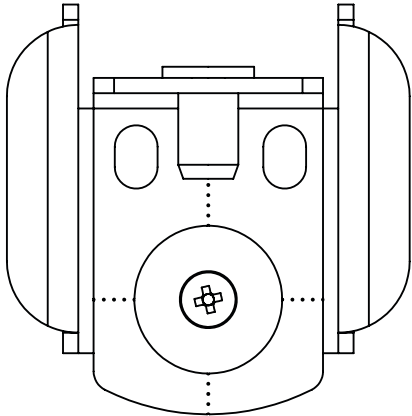• A single panel can weigh up to 30kg depending on its size and integrated light style/pattern

4 Route leader and ground wire cables the through wall

5   Install the brackets (step 1)

!

• Use screws with a diameter of 3.5mm - 4mm

Bracket

Adjustment washer
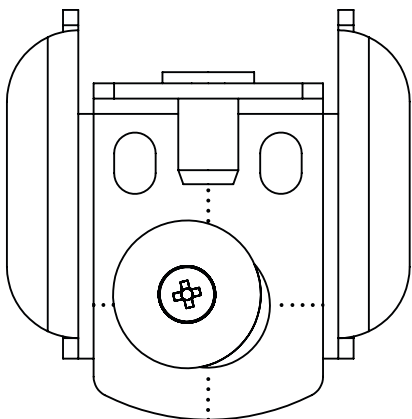
Wall screw

Screw

Bracket

Note

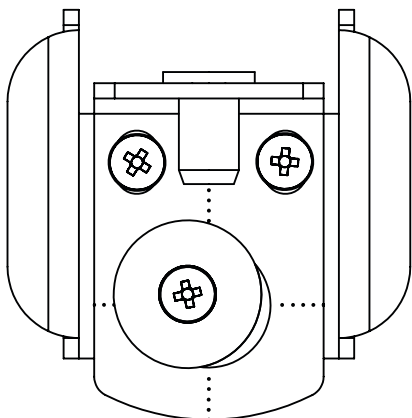• Mount the brackets as shown. Make sure the brackets are installed within a +/- 4 mm tolerance

5   Install the brackets (step 2)

1 Mount brackets to the wall by only using the adjustment hole

2 Adjust the brackets to match the exact measurements on the provided installation drawing. The markings on the bracket are spaced by 1 mm increments. Test the alignment of the brackets by mounting the panels as shown in step 8 of this installation manual. Tap the panels into the desired direction for fine adjustments while test mounted. Always protect the panel for damage while doing this.
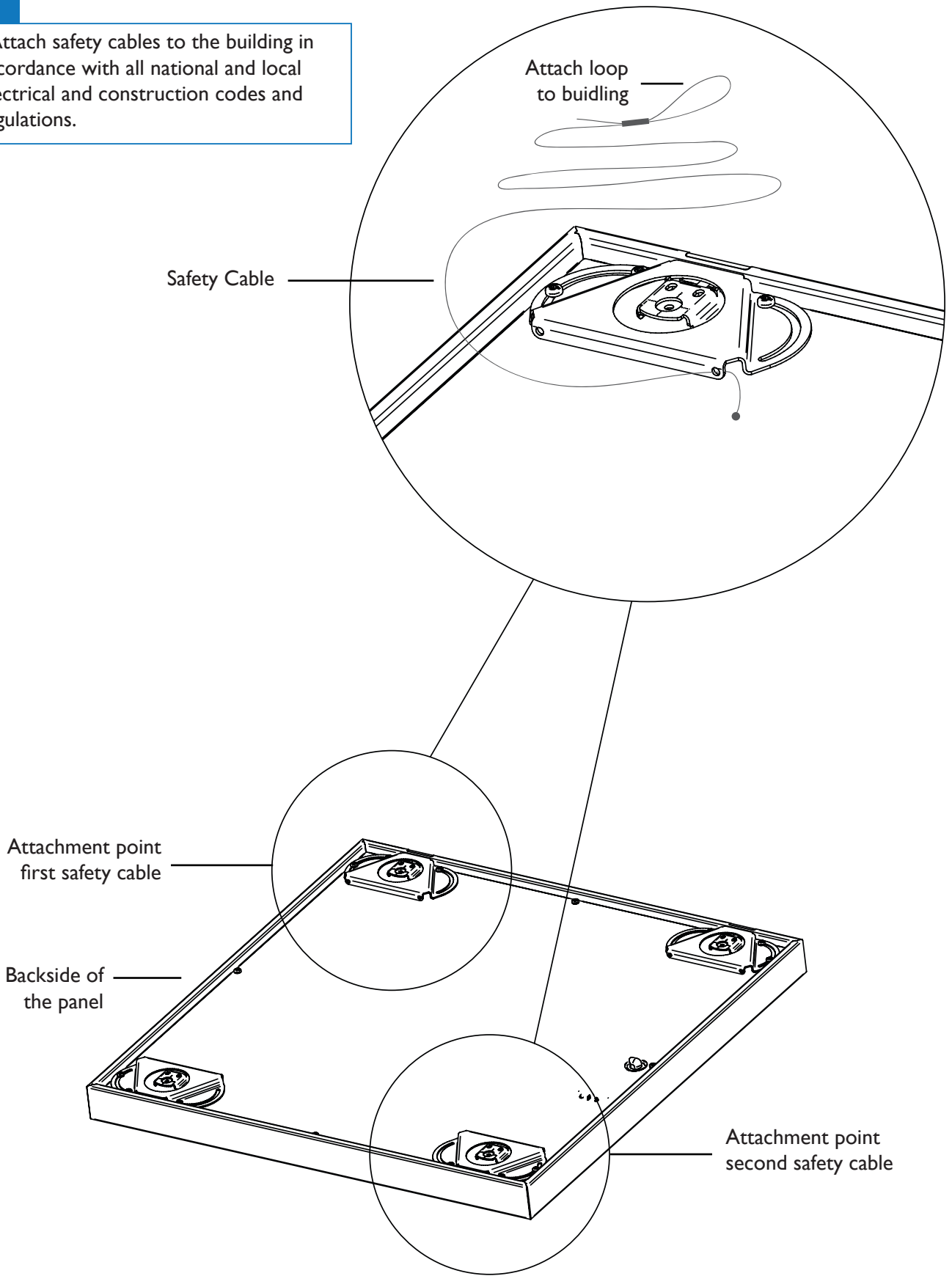
3 When alignment is satisfactory, secure the brackets to the wall by using the top two securing holes according to local construction codes and regulations associated with the wall type
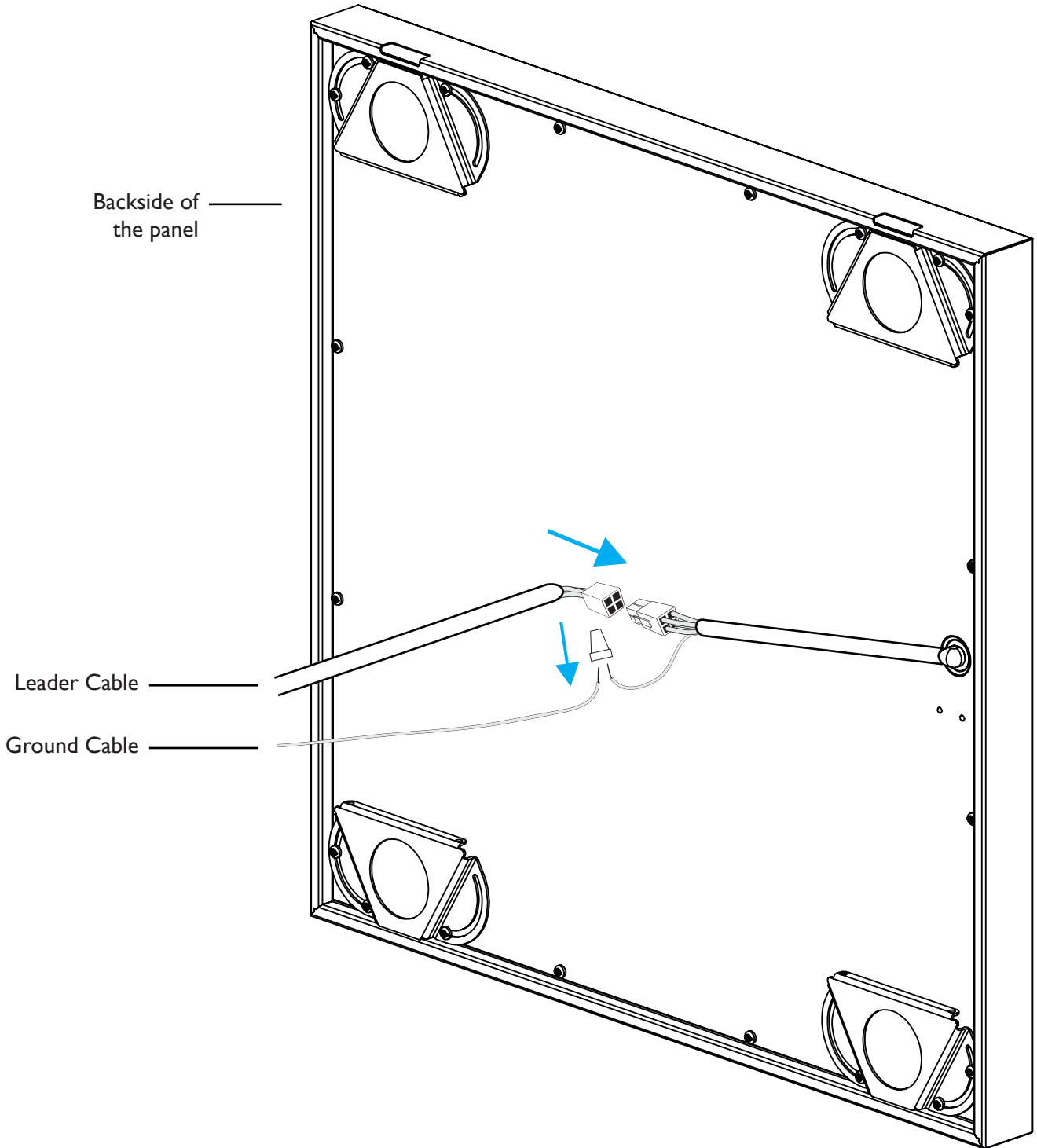
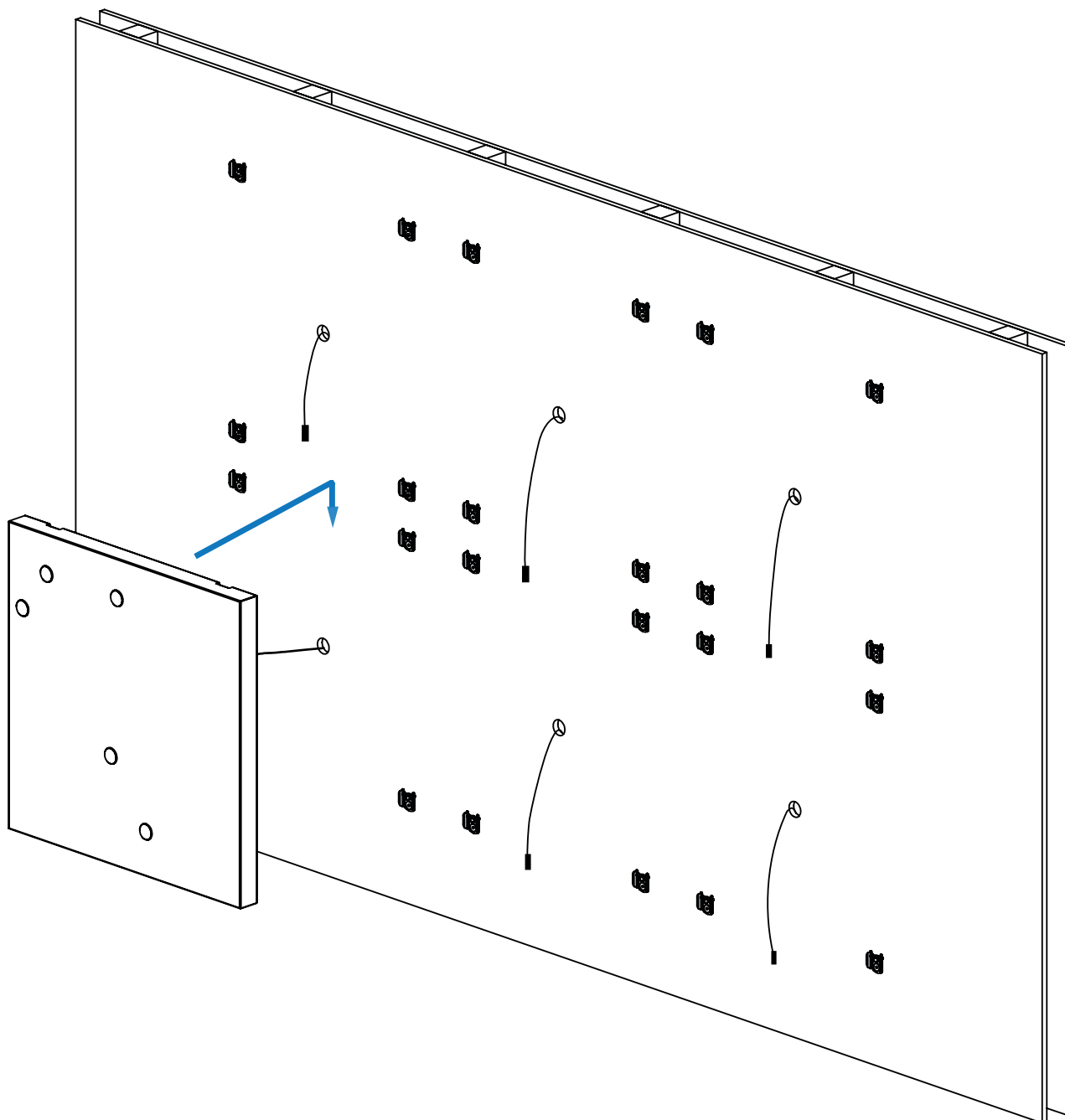# 6   Attach safety cable - Ceiling installations only

!

• Attach safety cables to the building in accordance with all national and local electrical and construction codes and regulations.

Attach loop
to buidling

Safety Cable

Attachment point
first safety cable

Backside of
the panel

Attachment point
second safety cable

7 Connect leader & ground cable to the panel

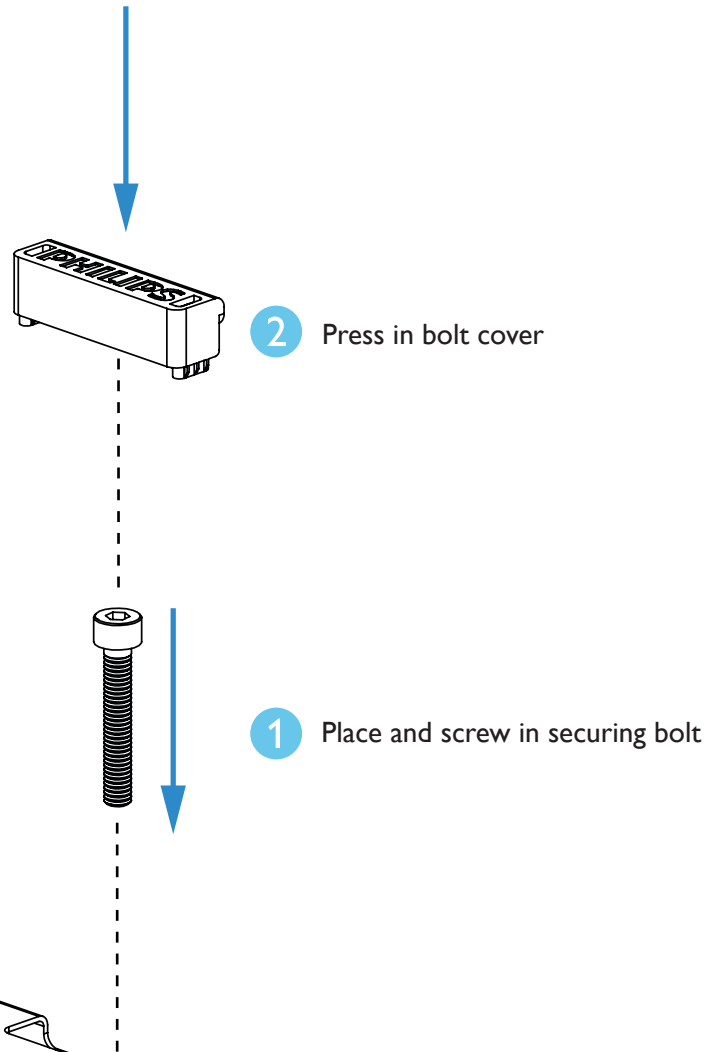Backside of
the panel

Leader Cable

Ground Cable

8   Mount the panels

Note

• Order of panel installation is specified in the dimensioned layout plan when applicable
• To clean panels only use non-corrosive and non-ethanol (alcohol) containing products
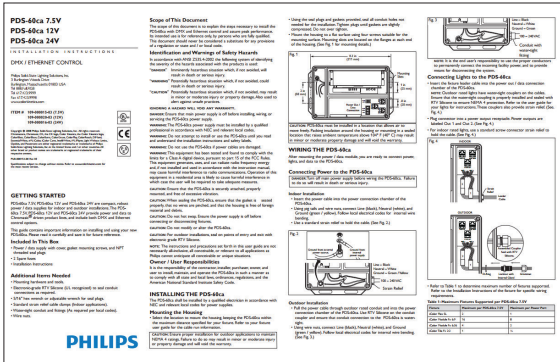
9 | Securing panels

② Press in bolt cover

① Place and screw in securing bolt

☰ Note

• Bolt cover can be removed by placing a flat screw driver in the openings on either side and pulling it out
• Tightening the securing bolt too much can result in the panel misaligning. To prevent this do not over tighten it

10   Connect to the Power / Data supply

Go to http://www.colorkinetics.com/ls/pds/ and select the used power / data supply to download the installation instructions.

11   Configuration of power / data supply

Refer to the QuickPlay Pro software for addressing and configuring power / data supplies.

Address and Configure

www.colorkinetics.com/support/addressing/